

# INTERNATIONAL SEARCH REPORT

In national Application No  
F01, GB2004/003192

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/42 G02B6/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ, WPI Data, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 5 525 190 A (HENKES JOHN L ET AL) 11 June 1996 (1996-06-11) column 1, line 11 - line 16 column 2, line 28 - line 38 column 2, line 57 - line 67 column 5, line 30 - line 53 column 6, line 53 - line 67 column 7, line 36 - line 46 column 11, line 25 - line 41 ----- -/-	22-26, 33-43 1,2,4-21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

12 October 2004

Date of mailing of the international search report

12/11/2004

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

1st Application No  
PCT/JP2004/003192

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KRIPPNER PETER ET AL: "Microspectrometer system for the near infrared wavelength range based on the LIGA technology" PROC SPIE INT SOC OPT ENG; PROCEEDINGS OF SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING 2000 SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS, BELLINGHAM, WA, USA, vol. 3912, 26 January 2000 (2000-01-26), pages 141-149, XP002299861 the whole document	23-32, 35-43
Y	WO 99/42879 A (INTEGRATED OPTICAL COMPONENTS ; WEEKS ALAN (GB); MURPHY MICHAEL MATTHE) 26 August 1999 (1999-08-26) abstract page 4, line 9 - line 32 page 7, line 29 - page 8, line 22; figure 3	1-21
Y	JENKINS R M ET AL: "Hollow waveguide integrated optic subsystem for a 10.6 'mu'm range-Doppler imaging lidar" PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING SPIE-INT. SOC. OPT. ENG USA, vol. 4034, 24 April 2000 (2000-04-24), pages 108-113, XP002299729 ISSN: 0277-786X abstract page 113, paragraph 2	1-21
A	YOUNG M G ET AL: "A 16X1 WDM TRANSMITTER WITH INTEGRATED DBR LASERS AND ,ELECTROABSORPTION MODULATORS" INTEGRATED PHOTONICS RESEARCH, WASHINGTON, DC, US, vol. 10, 1993, pages 414-417, XP000472984 the whole document	10-13
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 02, 26 February 1999 (1999-02-26) & JP 10 311921 A (SHARP CORP), 24 November 1998 (1998-11-24) abstract	1
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International Application No.

Pat. No. JP2004/003192

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>JENKINS R M ET AL: "Hollow waveguide integrated optic systems with integrated laser sources for 10.6 micron laser radar" CONFERENCE DIGEST. 2000 CONFERENCE ON LASERS AND ELECTRO-OPTICS EUROPE (CAT. NO.00TH8505) IEEE PISCATAWAY, NJ, USA, , - 15 September 2000 (2000-09-15) page 1 pp., XP002300366 ISBN: 0-7803-6319-1 the whole document</p> <p>-----</p>	1,22,23

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/003192

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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